Worksheet 1 Thinking abstractly

Task 1

1. Give examples of some problems which can be tackled by building models or computer simulations
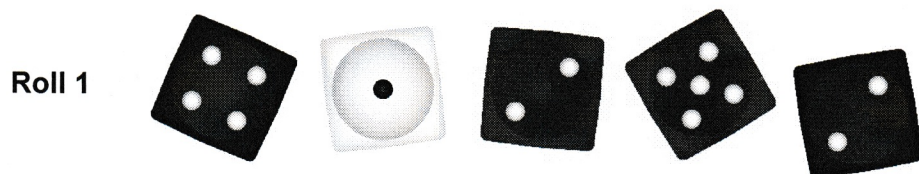
2. What factors would be relevant in a financial model which calculates the likely annual profit in a new coffee shop?
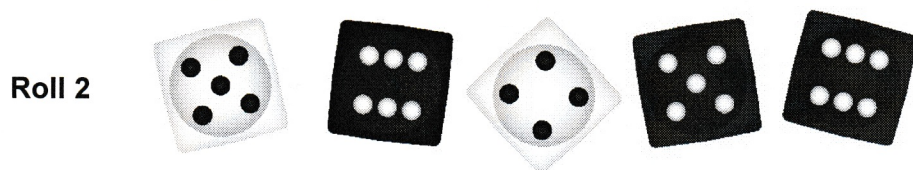
   What factors would be irrelevant?

Task 2

3. Solve this puzzle.

Roll 1

The answer to Roll 1 is: 4

Roll 2

The answer to Roll 2 is: 8
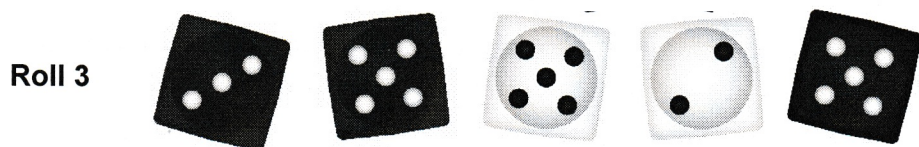
Roll 3

The answer to Roll 3 is: 14
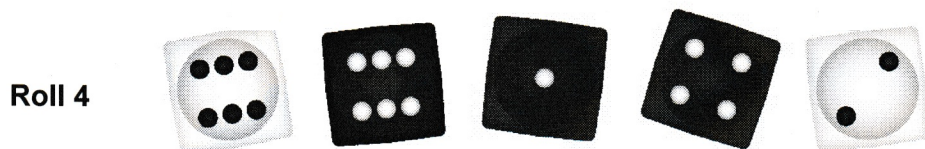
Roll 4

The answer to Roll 4 is: 0.
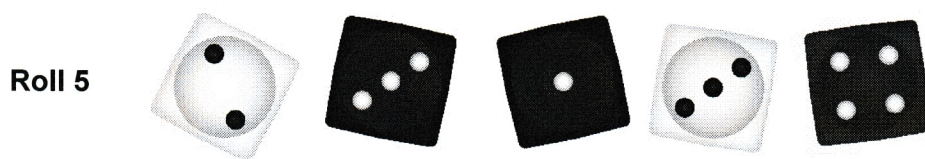
Roll 5

The answer to Roll 5 is: 4
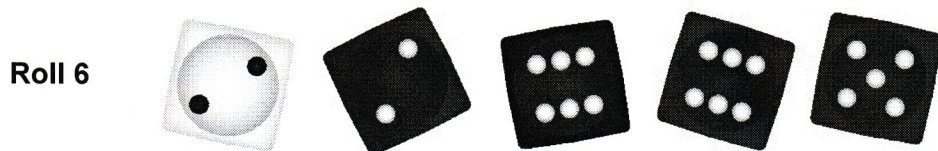
Roll 6

What is the answer to Roll #6?

Why?